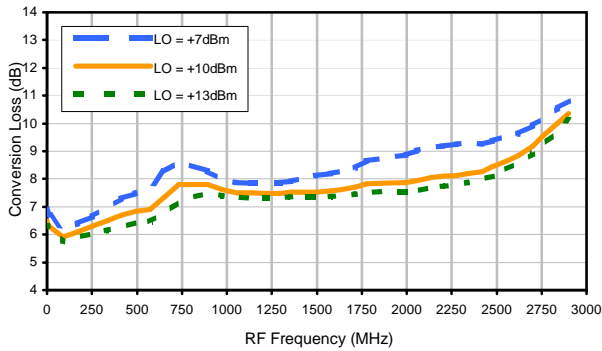


Frequency Mixer

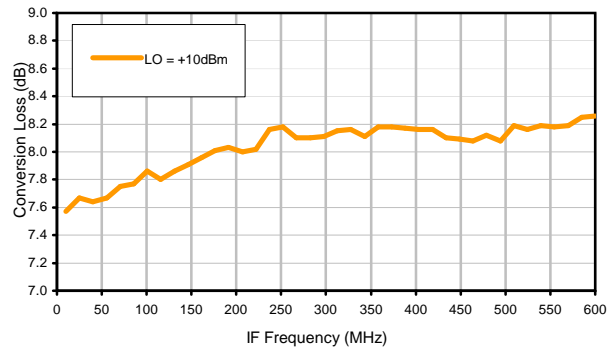
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Typical Performance Curves

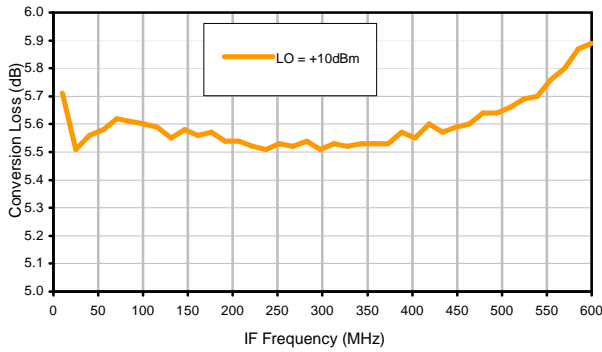
Conversion Loss @ IF=30MHz



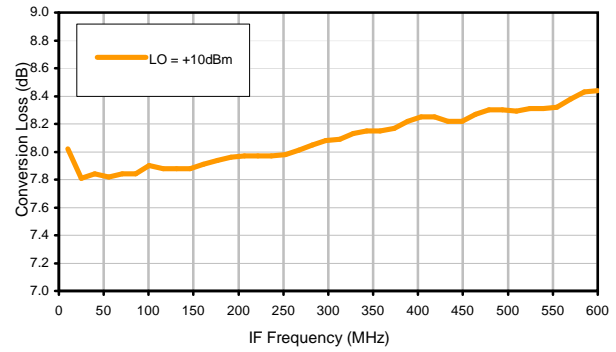
Conversion Loss vs. IF @ RF=1000.1MHz



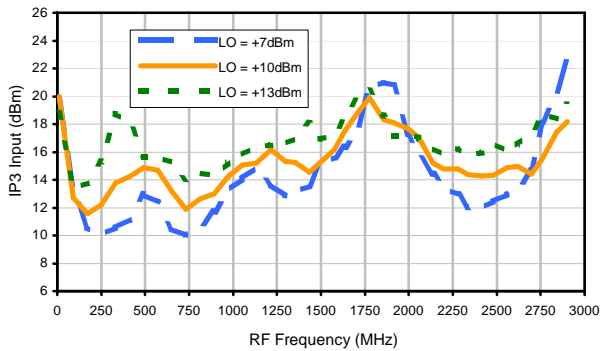
Conversion Loss vs. IF @ RF=10.1MHz



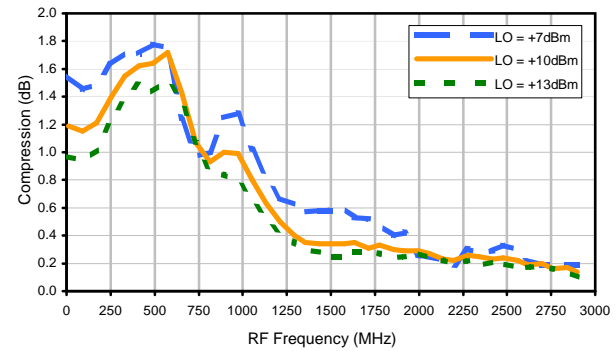
Conversion Loss vs. IF @ RF=2000.1MHz



IP3 Input

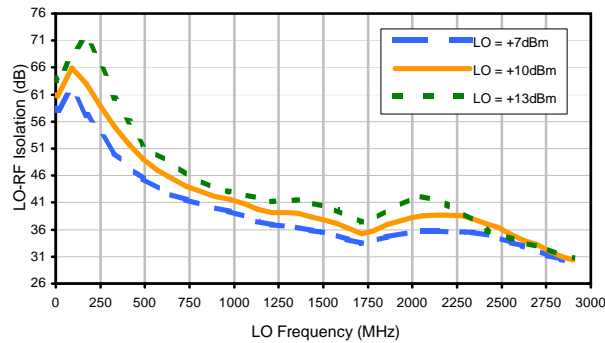


Compression @ RF IN=+5dBm

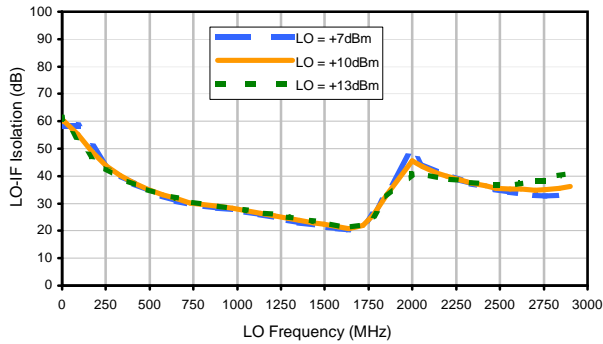


Typical Performance Curves

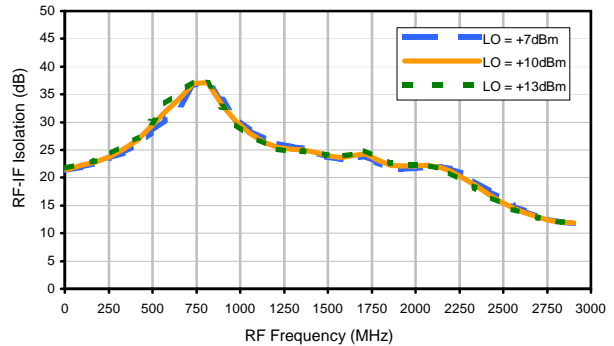
LO-RF Isolation



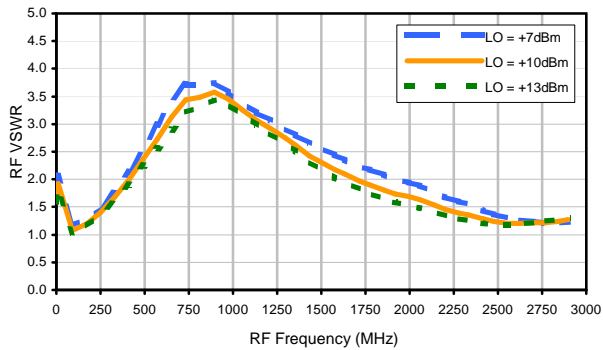
LO-IF Isolation



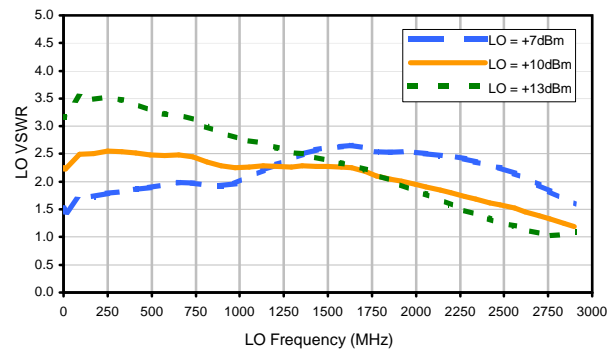
RF-IF Isolation



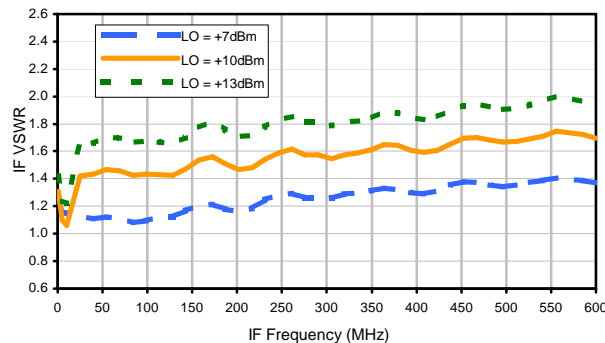
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	10	33	27	36	35	53	54	74	56	59
1	-	22	+0	34	33	37	26	42	59	65	56	66
2	80	71	43	51	42	60	45	56	53	60	61	68
3	>100	50	65	64	39	54	57	54	45	56	62	75
4	>100	91	65	83	58	65	55	81	58	67	66	65
5	>100	78	69	75	86	84	56	68	67	67	56	68
6	>100	83	79	91	76	>92	69	77	66	92	67	76
7	>100	>92	>92	90	80	>92	>92	90	70	80	78	78
8	>100	>92	>92	92	87	>92	84	>92	77	92	76	>92
9	>100	>92	>92	>92	>92	>92	92	>92	>92	>92	84	>92
10	>100	>92	>92	>92	>92	>92	>92	>92	92	>92	85	>92
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1000.1 MHz; 0.00 dBm.
 LO IN: 1030.01 MHz; +10.00 dBm
 IF OUT: 29.91 MHz; -7.82 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+0	22	16	25	22	38	35	51	40	43
1	-	22	+0	33	32	34	24	38	48	57	41	53
2	99	79	48	58	48	71	51	64	56	59	61	69
3	>100	71	>82	74	58	70	72	70	60	71	73	>82
4	>100	>82	80	>82	74	>82	74	>82	76	>82	>82	>82
5	>100	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
6	>100	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
7	>100	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
8	>100	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
9	>100	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
10	>100	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1000.1 MHz; -10.00 dBm.
 LO IN: 1030.01 MHz; +10.00 dBm
 IF OUT: 29.91 MHz; -17.77 dBm

- Notes: 1. All Harmonics are in (dBc) relative to IF OUTPUT.
 2. + entry denotes harmonics are in (dBc) above IF OUTPUT.
 3. RF Cal represent the Harmonics level of the RF input signal to the mixer.

REV. X2
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 Page 3 of 3



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